Installation Instructions

Exhaust Separator

Part #AVAVXS1, AVAVXS2, AVAVXS3

Description:

Apollo Dental Products' Exhaust Separator is designed to separate the air and water from the exhaust of your ADP Liquid-Ring Vacuum Pump. Harmful odors, vapor contaminants and nitrous oxide gasses are vented out the top of the separator, while liquid waste flows out of the lower drain and into a "P"-Trap or floor sink. Constructed of PVC and ABS, this durable unit is engineered for both long life and simple wall-mount installation.

Installation:

1. Choose an appropriate location to mount the separator tank on the wall. The tank must be mounted at least 2 inches above "P"-Trap and 18 inches above a floor sink, but close enough to the pumps so that all exhaust hoses will reach.
2. Use the provided screws and anchor to mount the tank to the wall. The anchors are made for use in sheetrock, plaster, concrete or brick. 3/16" holes are required for the anchors. Push the anchors into the holes until flush, then place the tank on the wall and install the screws.
3. Connect exhaust hoses to 3/4" PVC elbows on the separator tank, and cement with PVC glue.

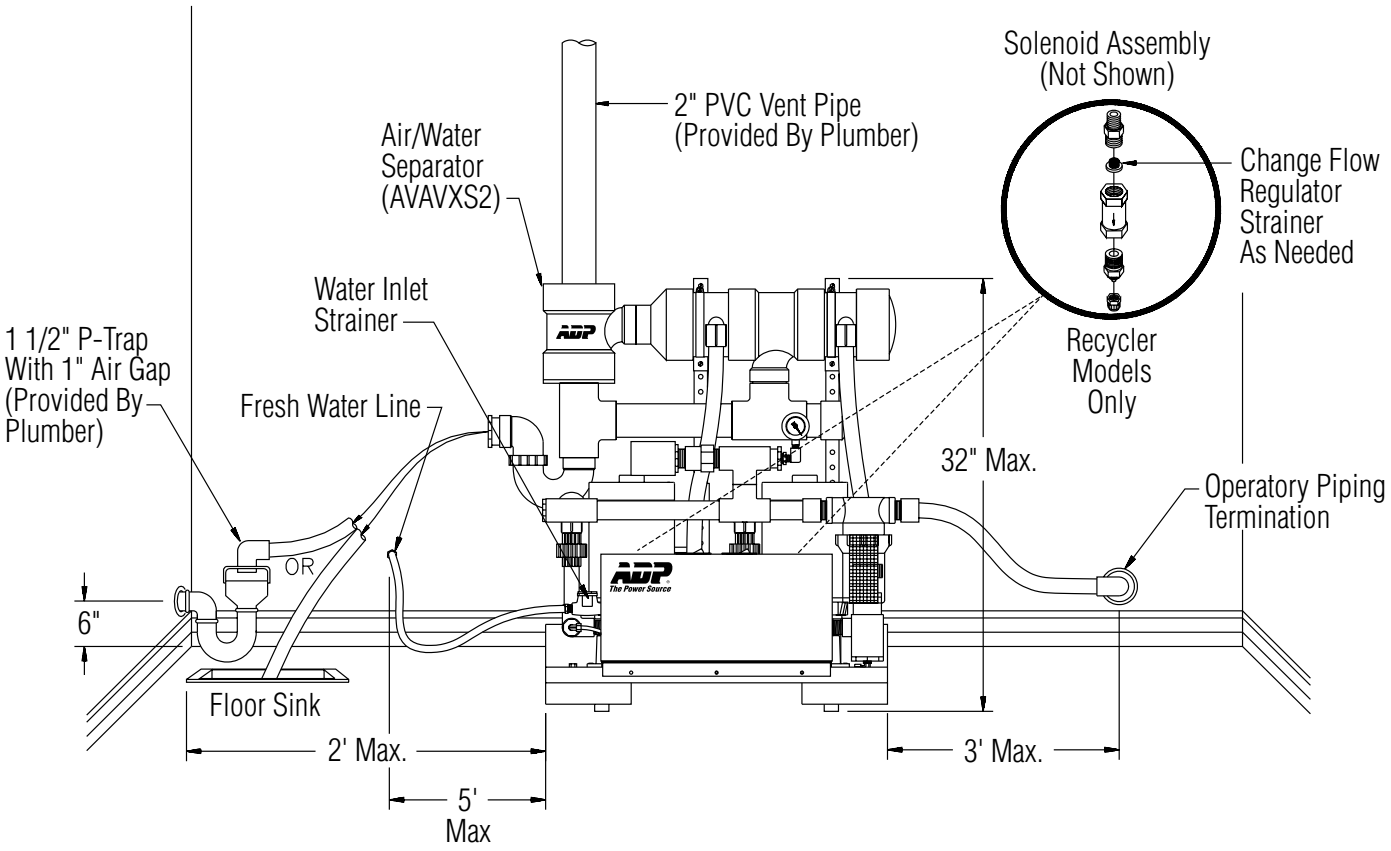
   Note: Single separators must be mounted vertically, and twin or triple separators must be mounted horizontally.
4. Attach the provided 3/4" PVC to the drain of the separator tank and glue with PVC cement. Connect the other end to a "P"-Trap or secure it in a floor sink.

   Note: Some local codes may require a one inch air gap for the waste line connection.
5. Use necessary fitting and 2" PVC pipe to vent the air outlet on the top of the separator to the outdoors.

Initial Startup:

1. Check that the water supply valve is "OPEN".
2. Start each pump.
3. Check exhaust tubing to ensure that water is flowing through each pump, and there are no leaks.

   Note: Do not run pump without full pressure water supply as serious pump seal damage will result.
4. Check each vacuum gauge to ensure that each pump is functioning properly. Vacuum relief is factory preset for 10 inches Hg vacuum. Each pump should be set for the same relief operating vacuum level.



Typical Twin Vacuum Installation

Warranty Information: 90 Days

All ADP accessories are thoroughly inspected and tested in accordance with rigid specifications and standards. Our accessories are guaranteed against any defective material and workmanship from the date of shipment; provided that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for accessories without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cove damage resulting form improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. The warranty does not cover vacuum failures due to hard water deposits. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.